

## Kristopher R. Grymonpré

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### EDUCATION

Harvard University Graduate School of Education, Cambridge, MA June 2008  
M. Ed., School Leadership Program, Teacher Leadership Strand

Massachusetts Institute of Technology, Cambridge, MA June 2003  
B.S., Chemical Engineering, GPA 4.9/5.0

Licensure: Mathematics (5-8), General Science (5-8), and Chemistry (8-12): Initial Massachusetts Certification, 2004.  
Middle School Mathematics/Science (5-8) Initial Certification, 2010. English as a Second Language (5-12),  
Preliminary Certification, pending.

### TEACHER LEADERSHIP EXPERIENCE

Young Achievers Science & Mathematics Pilot School, Boston Public Schools Fall 2008-Present  
Academic Teacher, Mathematics and Science, Grade 7

- Developed and taught a cross-curricular environmental justice unit about water as a resource.
  - Raised wild Atlantic salmon from eggs.
  - Planned and led groups of students to hike through Costa Rican rainforest and mangroves.
- Facilitated Math/Science department meetings to study student data and create action plans to address students' academic needs.
- Led twice-weekly advisory group, including teaching sex ed.
- Mentored 8<sup>th</sup> grade students throughout the school year, including their graduation portfolio process.
- Mentored "Teach Next Year" student teachers.
- Collaborated with Humanities and Special Education teachers to develop cross-curricular writing plans.
- Publication:
  - Grymonpré, K, A. Cohn, & S. Solomon. 2012. Getting Past "Just Because:" Teaching Writing in Science Class. *Science Scope* 1 (January): 24-31.

Christa McAuliffe Regional Charter Public School, Framingham, MA Fall 2003-Spring 2007  
Founding Core Teacher, Mathematics, Algebra, and Science, Grades 7 and 8

- Taught a daily advisory group of ten students, building community and teaching responsibility.
- Worked with parents and the community as resources for guest speakers, field work opportunities, and committee members.
- Created Math curriculum:
  - Developed multiple Math Investigation assessments, where students were required to collect real data, connect the data with the Math content, and explain their work:
    - Exponential growth of mold on bread.
    - Systems of linear equations of cell phone pricing plans.
    - Probability of carnival games of chance.
  - Integrated magic tricks to engage students in math work.
- Developed inquiry-based, themed Science curricula:
  - Students produced a cladogram mural on the classroom ceiling and a guide explaining evolution.
  - Students wrote a field guide to rock formations in Massachusetts explaining the earth science.
  - Students authored children's books about dragonflies to teach environmental chemistry.
- Collaborated with science department organizing state standards into grade-level themes.
- Collaborated with grade-level teachers to plan semester-long cross-curricular units.
- Held multiple leadership and extra-curricular positions:
  - Science Department Co-Coordinator 2005-06
  - Co-Chair and Co-Founder, Science Advisory Committee
  - School Leadership Team, Grade 7 Representative 2003-2004
  - Math Circle Founder and Coach: Working with students on Math problem-solving and competitions
    - Best New Team and 3<sup>rd</sup> Place Overall, MetroWest Regional MathCounts Competition 2006
  - Faculty advisor for School Store, 2003-2006

- BELL, Boston MA Summer 2008  
Academic Teacher and Afternoon Floater
- Taught Mathematics and English Language Arts to rising 5<sup>th</sup> grade students from low-income neighborhoods.
- Richard J. Murphy School, Boston Public Schools, Dorchester, MA Fall 2007-Spring 2008  
Teacher Leader Intern
- Facilitated group observations of three teachers using videotaped lessons, focusing the discussion and following up on teacher learning.
  - Led the Data Committee of the school-wide Cross-Role Cohort, using MCAS and benchmark data to better understand the performance of students with disabilities.
  - Worked through the Data Wise process: analyzing MCAS data, identifying a learner-centered problem and its associated problem of practice, and then formulating an action plan.
- Boston Teacher Residency, Boston Public Schools, Boston, MA Fall 2007  
Consultant
- Developed and presented workshops to all BTR site coordinators and residents from two schools on using magic in the classroom to engage students, teach content, introduce rubrics, and build classroom culture.
- Camp Invention, Wayland, MA and Westford, MA Summer 2005-Summer 2007  
Teacher
- Taught hands-on physics and technology curriculum to students from grades 1-7.
- Museum of Science, Boston, MA Spring 2004-Spring 2006  
Course Teacher, Grades 3-8
- Developed and taught *Math and Science Magic*, a curriculum using magic tricks to teach math and science.
- Graham and Parks Alternative School, Cambridge Public Schools, Cambridge, MA Fall 2002-Spring 2003  
Student Teacher, Science, Grades 7-8
- Designed and taught science curriculum around heat energy and measurement.
- M.E. Fitzgerald School, Cambridge, MA Spring 2002  
Volunteer Teaching Assistant, Grades 7-8
- Helped students with science fair projects.
  - Provided in-class support with students during Science class.
- Society of Young Magicians, Indianapolis, IN Fall 1994-Summer 2000  
Magic Instructor
- Taught magic tricks to classes of students from grades 1-8.
  - Developed and implemented a program teaching magic tricks to children with severe physical disabilities.
  - Taught a bi-monthly magic class to boys at a juvenile detention center.

## RESEARCH EXPERIENCE

- 3M, St. Paul, MN Summer 2002  
Chemical Engineer Intern
- Studied the physics of fluid dynamics in various materials for use in diabetes testing strips.
- Ecolab, Inc., Mendota Heights, MN Summer 2001  
Laundry Research Intern
- Investigated innovative chemical reactions for use in powerful color-safe laundry bleach.
  - Patent:
    - Hubig, S. M., Grymonpré, K. R., & Uecker, C.J. (2006). Prespotting treatment employing singlet oxygen. *U.S. Patent No. 7,018,967*. Washington, DC: U.S. Patent and Trademark Office.
- Indiana University-Purdue University, Indianapolis, IN Summer 1998-Summer 2000  
Analytical Chemistry Research Intern
- Performed chemistry experiments and computer modeling of the interaction between proteins and polymers.
  - Publications:
    - Grymonpré, K. R., Staggemeier, B. A., Dubin, P., & Mattison, K. W. (2001). Identification by integrated computer modeling and light scattering studies of an electrostatic serum albumin-hyaluronic acid binding site. *Biomacromolecules*, 2(2), 422-429.
    - Mattison, K. W., Wang, Y. F., Grymonpré, K., & Dubin, P. L. (1999). Micro- and macro-phase behavior in protein-polyelectrolyte complexes. *Macromolecular Symposia*, 140, 53-76.